

Listing of Claims/Amendments to the Claims.

The listing of claims that follows will replace all prior listings.

1. (Previously presented) An electronic compressed air system for a vehicle comprising:

5 a compressed air supply part including a compressor; and

a compressed air consumer part, said compressed air consumer part including:

a plurality of service-brake circuits having compressed air load circuits and compressed air reservoirs,

10 a high pressure compressed air load circuit,

electrically actuatable valves comprising a first plurality of electrically actuatable valves and at least one other electrically actuatable valve, wherein said first plurality of electrically actuatable valves are operable to supply compressed air to said plurality of service-brake circuits and wherein said at least one other electrically actuatable valve is operable to supply compressed air to said high pressure compressed air load circuit, and wherein said first plurality of electrically actuatable valves are in an open position in a de-energized default state,

sensors for monitoring pressure in said plurality of service-brake circuits, and

20 an electronic control unit for evaluating electrical signals from said sensors and for controlling said electrically actuatable valves, said at least one other electrically actuatable valve operable to supply compressed air to said high pressure compressed air load circuit being switchable by said electronic control unit between a closed position in a de-

energized default state and an open position to establish communication between said at least one
25 other electrically actuatable valve with at least one of (i) said service-brake circuits (ii) said
compressed air reservoirs and (iii) said compressed air supply part, when compressed air is
requested for said high pressure compressed air load circuit.

2. (Previously Presented) The compressed air system according to claim 1,
wherein said high pressure compressed air load circuit is an air-suspension circuit.

3. (Previously Presented) The compressed air system according to claim 1,
wherein said electronic control unit is adapted to iteratively (i) close said at least one other
electrically actuatable valve operable to supply compressed air to said high pressure compressed
air load circuit and turn on said compressor to refill said plurality of service-brake circuits when
5 a state variable in said plurality of service-brake circuits drops below a preselected value, (ii)
reopen said at least one other electrically actuatable valve operable to supply compressed air to
said high pressure compressed air load circuit when an index value is reestablished in said
plurality of service-brake circuits, and, thereafter, when said high pressure compressed air load
circuit reaches said index value, switch said at least one other electrically actuatable valve to a
10 closed normal state and turn off said compressor.

4. (Previously Presented) The compressed air system according to claim 1,
wherein said electrically actuatable valves are solenoid valves.

5. (Previously Presented) The compressed air system according to claim 1,
further comprising an electronic control device adapted to control said high pressure compressed
air load circuit and to communicate with said electronic control unit via a data line.

6. (Previously Presented) The compressed air system according to claim 5,
wherein said data line is operable to carry a compressed air demand transmission to said
electronic control device.

7. (Previously Presented) The compressed air system according to claim 1,
wherein said compressed air load circuits have at least one secondary load circuit without

compressed air reservoirs.

8. (Previously Presented) The compressed air system according to claim 7, wherein said at least one secondary load circuit has a lower pressure level than in said service-brake circuits.

9. (Previously Presented) The compressed air system according to claim 7, wherein said high pressure compressed air load circuit has a pressure level that is higher than in said service-brake circuits and in said at least one secondary load circuit.

10. (Previously presented) The compressed air system according to claim 7, wherein said at least one secondary load circuit includes solenoid valves, and further comprising a pressure-limiting valve interposed upstream from said solenoid valves of said at least one secondary load circuit.

11. (Previously Presented) The compressed air system according to claim 1, wherein said electrically actuatable are connected to a common compressed air distributor line, to which there is connected a compressed air supply line in communication with said compressor.

12. (Previously Presented) The compressed air system according to claim 11, further comprising an air dryer and a check valve disposed in said compressed air supply line.

13. (Previously Presented) The compressed air system according to claim 3, wherein said state variable is one of pressure, air flow rate, air mass and energy.